



TRISOUND
ACOUSTIC/FIRE DOOR CORES & BLANKS

FD30 (S3K) up to 44dB

FD60 (S3D) up to 41dB

Offering sound attenuation of up to Rw44dB when tested to BS EN ISO 717-1:1997, TRISOUND is the leading acoustic solution for timber doorsets. They can be used in NFR, FD30 (S3K version) and FD60 (S3D version) applications, with maximum dimensions for fire rated door assemblies (in accordance with BS476 part 22) well over standard leaf sizes. S3K and S3D variants are available both as 44mm cores for factory assembly or as 54/57mm pre-constructed blanks ready to trim and edge.



- Fully tested in variety of arrangements for fire & acoustic performance.
- Lightweight (~550Kg/m³).
- Stable construction – extruded core.
- Durable fixing - Up to 85mm timber perimeter on all sides.
- Acoustically tested up to Rw44dB (flush single leaf).
- Highly versatile for manufacture of various door designs and configurations.
- Available as 44mm cores or 54/57mm pre-constructed blanks.

PERFORMANCE SUMMARY

Core Variant	Composition			Thickness (mm)				Fire				App.		Max db (Rw)	PAS24 Security	Thermal Range	Certification			COC			DD171/BS EN 1192	BS EN 13986	Perimeter Framing	Recessed Panels
	Particleboard	Solid Timber	Specialist	35	44	54	57	FD30	FD60	FD90	FD120	Internal	External				Q Mark	IFCC	FSC	PEFC	EUTR	E1				
S3K	✓		✓			✓		✓				✓		44				✓		*	✓	✓		E1	✓	
S3D	✓		✓				✓		✓			✓		41					✓	*	✓	✓		E1	✓	



*FSC available if specified at point of order

TRISOUND S3K 54mm

30 Minutes Fire Performance - IFC

Config	Leaf Sizes				Seal Arrangement			Doc Link
	Max Height	At Width	Max Width	At Height	Jambs	Head	M/S	
LSASD	2706mm	832mm	1092mm	2185mm	1 No 15x4	2 No 15x4	-	PAR/12033/01
ULSASD	2653mm	816mm	1071mm	2142mm	1 No 15x4	2 No 15x4	-	PAR/12033/01
LSADD	2373mm	862mm	1024mm	2050mm	1 No 15x4	2 No 15x4	2 No 10x4	PAR/12033/01
ULSADD	2350mm	854mm	1014mm	2030mm	1 No 15x4	2 No 15x4	2 No 10x4	PAR/12033/01

TRISOUND S3D 57mm

60 Minutes Fire Performance - IFC

Config	Leaf Sizes				Seal Arrangement			Doc Link
	Max Height	At Width	Max Width	At Height	Jambs	Head	M/S	
LSASD	2630mm	831mm	1073mm	2146mm	2 No 15x4	2 No 15x4	-	PAR/13088/01
ULSASD	2579mm	814mm	1052mm	2104mm	2 No 15x4	2 No 15x4	-	PAR/13088/01
LSADD	2359mm	885mm	1032mm	2065mm	2 No 15x4	2 No 15x4	2 No 15x4	PAR/13088/01
ULSADD	2336mm	876mm	1022mm	2044mm	2 No 15x4	2 No 15x4	2 No 15x4	PAR/13088/01

The above intumescent seal configurations are a summary of available performances only. Individual seal manufacturers may have carried out additional independent testing which they could make available to doorset providers.

Fire door evidence.
Access all areas with
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Evaluate. Compare. Specify.

Developed by Falcon Panel Products, **Wizardoorer** is a new online resource to provide fire door specialists, manufacturers, installers, specifiers and architects with easy access to validated, independent, supportive fire rated and acoustic door evidence...



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TRISOUND S3K 54mm

Acoustic Performance

Config	Acoustic Seal(s)				Glass Type	dB(Rw) Rating
	Jambs	Head	M/S	Threshold		
Single Flush	NOR710 & NOR720	NOR710 & NOR720	n/a	NOR810	n/a	41dB
Single Flush	LAS1010	LAS1010	n/a	2 x LAS1011	n/a	43dB
Single Flush	FAS-Twin & P'plex Triple Flipper	FAS-Twin & P'plex Triple Flipper	n/a	FAS Trident	n/a	43dB
Single Flush	STS1009	STS1009	n/a	STS422GT	n/a	44dB
Single Glazed	FAS35 & LP1504DS	FAS35 & LP1504DS	n/a	FAS45	16.8mm Opti-phon	40dB
Single Glazed	LAS1212	LAS1212	n/a	LASi8001	23mm Pyrostop	41dB
Pair Flush	NOR710 & NOR720	NOR710 & NOR720	2 x NOR720	NOR810	n/a	38dB
Pair Flush	FAS-Twin & P'plex Triple Flipper	FAS-Twin & P'plex Triple Flipper	LP1504DS	2 x FAS Trident	n/a	39dB
Pair Flush	LP1504DS & LAS1212	LP1504DS & LAS1212	2 x LP1004DS	LAS8001 si & LAS4014 si	n/a	40dB
Pair Glazed	NOR710 & NOR720	NOR710 & NOR720	2 x NOR720	NOR810	15mm Pyrostop	36dB
Pair Glazed	FAS35	FAS35	LP1504DS	FAS45	15mm Pyrostop	38dB
Pair Glazed	LP1504DS & LAS1212	LP1504DS & LAS1212	2 x LAS1011	LAS8001 si & LAS4014 si	15mm Pyrostop	41dB

TRISOUND S3D 57mm

Acoustic Performance

Config	Acoustic Seal(s)				Glass Type	dB(Rw) Rating
	Jambs	Head	M/S	Threshold		
Single Flush	FAS35 & P'plex Triple Flipper	FAS35 & P'plex Triple Flipper	n/a	2 x FAS Trident	n/a	39dB
Single Flush	LP1504DS & LAS1212	LP1504DS & LAS1212	n/a	LAS8001 si	n/a	40dB
Single Flush	NOR710 & NOR720	NOR710 & NOR720	n/a	NOR810	n/a	40dB
Single Glazed	FAS35 + P'plex Triple Flipper	FAS35 + P'plex Triple Flipper	n/a	FAS Retro	15mm FireSafe	37dB
Single Glazed	NOR710 & NOR720	NOR710 & NOR720	n/a	NOR810	12mm Pyrobelite	40dB
Single Glazed	LP1504DS & LAS1212	LP1504DS & LAS1212	n/a	LAS8001 si	23mm Pyrostop	41dB
Pair Flush	LP1504DS & LAS1212	LP1504DS & LAS1212	2 x LP1004DS	LAS8001 si & LAS4014 si	n/a	39dB
Pair Flush	NOR710 & NOR720	NOR710 & NOR720	1 x NOR720	NOR810	n/a	40dB
Pair Flush	FAS-Twin & P'plex Triple Flipper	FAS-Twin & P'plex Triple Flipper	FAS Trident & P'plex Triple Flipper	2 x FAS Trident	n/a	40dB
Pair Glazed	FAS35 + P'plex Triple Flipper	FAS35 + P'plex Triple Flipper	FAS Trident & P'plex Triple Flipper	2 x FAS Trident	15mm FireSafe	39dB
Pair Glazed	NOR710 & NOR720	NOR710 & NOR720	NOR720	NOR810dB+	23mm Pyrostop	40dB
Pair Glazed	LP1504DS & LAS1212	LP1504DS & LAS1212	2 x LAS1011	LAS8001 si & LAS4014 si	23mm Pyrostop	40dB

The above acoustic seal configurations are a summary of available performances only. Individual seal manufacturers may have carried out additional independent testing which they could make available to doorset providers.

Contact us for more information



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